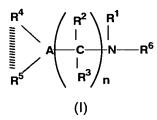
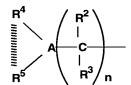
CLAIMS

1. A compound represented by formula (I):



5 wherein A represents CH or N;

R¹ represents hydrogen and R⁶ represents –CH₂C(R⁷)(OH)CH₂OR⁸; or



R¹ represents

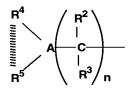
and R⁶ represents -CH₂C(R⁷)(OH)CH₂OR⁸;

or

R¹ represents –CH₂C(R³)(OH)CH₂OR8 and R6 represents an alkyl or alkenyl group

10 having C₄-C₃₆ carbon atoms; or

R¹ represents hydrogen and R6 represents –CH₂C(R7)(OH)R8; or



R¹ represents

and R⁶ represents -CH₂C(R⁷)(OH)R⁸; or

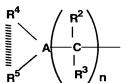
R¹ represents –CH₂C(R⁷)(OH)R⁸ and R⁶ represents an alkyl or alkenyl group having C₄-C₃₆ carbon atoms;

15 R² and R³ each represent hydrogen or an alkyl or alkenyl group having C₁-C₆ carbon atoms:

 R^4 and R^5 each represent an alkyl group having C_1 - C_6 carbon atoms when A represents N; or

 \mbox{R}^{4} and \mbox{R}^{5} together represent a $\mbox{C}_{2}\mbox{-}\mbox{C}_{5}$ alkylene group when A represents N; or

20 R⁴ and R⁵ together represent a C₂-C₅ alkylene group containing NR¹⁰ or NR¹¹ when A is CH or N, where R¹⁰ is hydrogen or an alkyl group having C₁-C₄ carbon atoms and R¹¹ is

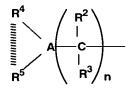


an alkyl group having C₁-C₄ carbon atoms or

R⁷ represents hydrogen or an alkyl or alkenyl group having C₁-C₅ carbon atoms; R⁸ represents an alkyl or alkenyl group having C₄-C₃₆ carbon atoms or –COR⁹, where R⁹ represents an alkyl or alkenyl group having C₃-C₃₅ carbon atoms; and n is an integer from 1 to 3, and where the compound is acid-blocked.

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2. The compound of claim 1, wherein R1 is hydrogen or



3. The compound of claim 1, wherein R² and R³ are hydrogen.

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- 4. The compound of claim 1, wherein R^4 and R^5 are alkyl groups having C_1 - C_6 carbon atoms when A represents N.
- 5. The compound of claim 1, wherein R⁴ and R⁵ together represent -CH₂CH₂N(CH₃)CH₂-.
 - 6. The compound of claim 1, wherein R⁷ is hydrogen.
- 7. The compound of claim 1, wherein R⁸ is an alkyl or alkenyl group having C₄-C₂₂ carbon atoms or -COR⁹.
 - 8. The compound of claim 1, wherein R^9 is an alkyl or alkenyl group having C_3 - C_{22} carbon atoms.
 - 9. The compound of claim 1, wherein n is 2 or 3.
 - 10. The compound of claim 1, wherein the compound is selected from the group consisting of N,N-bis-(3-dimethylaminopropyl)-N-(2-hydroxypropyl-octadecyl ether) amine, N-(3-dimethylaminopropyl)-N-(2-hydroxypropyl-octadecyl ether) amine, N,N-bis-(3-dimethylaminopropyl)-N-(2-hydroxypropyl-hexadecyl ether) amine, N,N-bis-(3-dimethylaminopropyl)-N-(2-hydroxypropyl-hexadecyl ether) amine, N,N-bis-(3-

dimethylaminopropyl)-N-(2-hydroxypropyl-tetradecyl ether) amine, N-(3dimethylaminopropyl)-N-(2-hydroxypropyl-tetradecyl ether) amine, N,N-bis-(3dimethylaminopropyl)-N-(2-hydroxypropyl-dodecyl ether) amine, N-(3dimethylaminopropyl)-N-(2-hydroxypropyl-dodecyl ether) amine, N,N-bis-(3-5 dimethylaminopropyl)-N-(2-hydroxypropyl-decyl ether) amine, N-(3dimethylaminopropyl)-N-(2-hydroxypropyl-decyl ether) amine, N,N-bis-(3dimethylaminopropyl)-N-(2-hydroxypropyl-octyl ether) amine, N-(3-dimethylaminopropyl)-N-(2-hydroxypropyl-octyl ether) amine, N.N-bis-(3-dimethylaminopropyl)-N-(2hydroxypropyl-2-ethylhexyl ether) amine, N-(3-dimethylaminopropyl)-N-(2-hydroxypropyl-10 2-ethylhexyl ether) amine, N,N-bis-(3-dimethylaminopropyl)-N-(2-hydroxypropyl-hexyl ether) amine, N-(3-dimethylaminopropyl)-N-(2-hydroxypropyl-hexyl ether) amine, N,Nbis-(3-dimethylaminopropyl)-N-(2-hexanol) amine, N-(3-dimethylaminopropyl)-N-(2hexanol) amine, N,N-bis-(3-dimethylaminopropyl)-N-(2-octanol) amine, N-(3dimethylaminopropyl)-N-(2-octanol) amine, N,N-bis-(3-dimethylaminopropyl)-N-(2-15 decanol) amine, N-(3-dimethylaminopropyl)-N-(2-decanol) amine, N,N-bis-(3dimethylaminopropyl)-N-(2-dodecanol) amine, N-(3-dimethylaminopropyl)-N-(2dodecanol) amine, N,N-bis-(3-dimethylaminopropyl)-N-(2-tetradecanol) amine, N-(3dimethylaminopropyl)-N-(2-tetradecanol) amine, N,N-bis-(3-dimethylaminopropyl)-N-(2hexadecanol) amine, N-(3-dimethylaminopropyl)-N-(2-hexadecanol) amine, N,N-bis-(3-20 dimethylaminopropyl)-N-(2-octadecanol) amine, N-(3-dimethylaminopropyl)-N-(2octadecanol) amine; N,N-bis-(3-dimethylaminopropyl)-N-(2-hydroxypropyl butyl ether) amine; and N,N-bis-(3-dimethylaminopropyl)-N-(2-hydroxypropyl-neodecanoic ester) amine.

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11. The compound of claim 10, wherein the compound is selected from the group consisting of N,N-bis-(3-dimethylaminopropyl)-N-(2-hydroxypropyl-octadecyl ether) amine, N-(3-dimethylaminopropyl)-N-(2-hydroxypropyl-octadecyl ether) amine, N,N-bis-(3-dimethylaminopropyl)-N-(2-hydroxypropyl-hexadecyl ether) amine, N,N-bis-(3-dimethylaminopropyl)-N-(2-hydroxypropyl-tetradecyl ether) amine, N,N-bis-(3-dimethylaminopropyl)-N-(2-hydroxypropyl-tetradecyl ether) amine, N,N-bis-(3-dimethylaminopropyl)-N-(2-hydroxypropyl-dodecyl ether) amine, N-(3-dimethylaminopropyl)-N-(2-hydroxypropyl-dodecyl ether) amine, N,N-bis-(3-dimethylaminopropyl)-N-(2-hydroxypropyl-dodecyl ether) amine, N,N-bis-(3-dimethylaminopropyl)-N-(2-hydroxypropyl-dodecyl ether) amine, N,N-bis-(3-dimethylaminopropyl)-N-(2-hydroxypropyl-decyl ether) amine, N-(3-

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dimethylaminopropyl)-N-(2-hydroxypropyl-decyl ether) amine, N,N-bis-(3-dimethylaminopropyl)-N-(2-hydroxypropyl-octyl ether) amine, N-(3-dimethylaminopropyl)-N-(2-hydroxypropyl-octyl ether) amine, N,N-bis-(3-dimethylaminopropyl)-N-(2-hydroxypropyl-2-ethylhexyl ether) amine, N-(3-dimethylaminopropyl)-N-(2-hydroxypropyl-hexyl ether) amine, N,N-bis-(3-dimethylaminopropyl)-N-(2-hydroxypropyl-hexyl ether) amine, N-(3-dimethylaminopropyl)-N-(2-hydroxypropyl-hexyl ether) amine; N,N-bis-(3-dimethylaminopropyl)-N-(2-hydroxypropyl butyl ether) amine; and N,N-bis-(3-dimethylaminopropyl)-N-(2-hydroxypropyl-neodecanoic ester) amine.

- 10 12. The compound of claim 11, wherein the compound is N,N-bis-(3-dimethylaminopropyl)-N-(2-hydroxypropyl butyl ether) amine.
 - 13. The compound of claim 11, wherein the compound is N,N-bis-(3-dimethylaminopropyl)-N-(2-hydroxypropyl-2-ethylhexyl ether) amine.
 - 14. The compound of claim 11, wherein the compound is N,N-bis-(3-dimethylaminopropyl)-N-(2-hydroxypropyl-tetradecyl ether) amine.
- 15. The compound of claim 11, wherein the compound is N,N-bis-(3-dimethylaminopropyl)-N-(2-hydroxypropyl-dodecyl ether) amine.
 - 16. The compound of claim 11, wherein the compound is N,N-bis-(3-dimethylaminopropyl)-N-(2-hydroxypropyl-neodecanoic ester) amine.
- 25 17. The compound of claim 11, wherein the compound is a mixture of N,N-bis-(3-dimethylaminopropyl)-N-(2-hydroxypropyl-tetradecyl ether) amine and N,N-bis-(3-dimethylaminopropyl)-N-(2-hydroxypropyl-dodecyl ether) amine.
- 18. The compound of Claim 1 in which the composition is acid-blocked with a30 carboxylic acid.
 - 19. The compound of Claim 18 in which the carboxylic acid is formic acid, acetic acid, 2-ethyl-hexanoic acid, gluconic acid, or N-(2-hydroxyethyl)-iminodiacetic acid.

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